



Top Ten STEM Resources: Webinar Supplement

Here's a list of the top ten STEM resources to help you get started incorporating STEM concepts and lessons in your classroom.

Help us get to **twenty** resources by uploading your favorite sites to the **Siemens STEM Academy site** (<http://siemensstemacademy.com/index.cfm?event=showResourceLanding&c=37#>) or by emailing them to siemens_stem_academy@discovery.com.

	<p>Siemens STEM Academy http://stem.discoveryeducation.com/</p> <p>Powered by Discovery Education and Siemens Foundation, Siemens STEM Academy is a premier online community designed exclusively to foster achievement in STEM education.</p> <p>Key Features:</p> <ul style="list-style-type: none"> • Webinars: Monthly webinar series by STEM leaders for educators to learn about STEM issues and how to incorporate STEM into their lesson • Resources: User-generated list of online STEM resources • Blog: Blogs published by leaders in education • Institute: Information on the Siemens STEM Institute, a weeklong immersion program on the integration of STEM and the classroom • STARS: Siemens Teachers as Researchers, a residential professional development program
	<p>National Science Foundation Resources for STEM Education http://www.nsfresources.org/home.cfm</p> <p>Supported by educational research and development projects funded by NSF, this site provides links to external resources providing information on STEM Education.</p> <p>Key Features:</p> <ul style="list-style-type: none"> • Teacher Development: Principles, materials, and practitioner insights that are helpful guides to improved preparation and professional development of STEM teachers • Instructional Materials: Links to materials for classroom use in teaching STEM • Assessment: Tools to help assess STEM education initiatives • Research Synthesis: Compilation of STEM education research findings



The STEM School Blog
A STEM school resource for educators, parents, and students

Ads by Google Schools Science Math Academics STEM Career Research Best Design Schools

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Obama Emphasizes Science & Math Education in 2010 State of the Union Address

According to Obama while delivering his 2010 State of the Union address, nations such as China, Germany, and India are not waiting to revamp their economies by focusing on science/mathematics - and the United States shouldn't either.

"... I do not accept second place for the United States of America," he added before receiving an enormous applause.

The President later went on to say that we need to invest in the skills and education of our citizens and in reform "that inspires students to excel in math and science."

Another notable quote was when Barack Obama said "in the 21st century, the best anti-poverty program is a world-class education."

If the speech is a sign of things to come, then 2010 will undoubtedly

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- Obama Emphasizes Science & Math Education in 2010
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- 2010 State of the Union Address
- California STEM Schools
- Colorado ACSC
- Colorado State University
- Connect a Million Minds (CMM)
- Educate to Innovate Campaign
- EXCEL
- Fuel Our Future Now
- Helpful Links
- Massachusetts STEM Advisory Council
- Massachusetts STEM Schools

The STEM School Blog

<http://www.stemschool.com/>

The STEM School Blog is searchable aggregator site intended for educators, parents, and students containing blog articles on a variety of STEM-related topics.



The Minnesota STEM Initiative

<http://www.mn-stem.com/>

Sponsored by the Minnesota High Tech Association, the Minnesota Chamber of Commerce and the Minnesota Department of Education, this fun and engaging site encourages students to explore STEM topics

Key Features:

- Featured Careers: Kid-friendly profiles of careers in fields related to STEM
- Resources & Links: Links to online resources for STEM education
- STEM Toolkit: STEM-themed screensaver, wallpaper, AIM icons, study guides, and posters
- "Oracle Orb": Interactive fortune teller offering STEM-centered answers

STEM Education

The STEM Education Blog is designed to disseminate curriculum ideas, projects, problems, and thoughts about Science, Technology, Engineering and Mathematics (STEM) education in grades K-12. [Encourage STEM teachers to share lessons and comments about their experiences in the classroom.](#)

THURSDAY, SEPTEMBER 3, 2009

GPS in STEM Education

There is an interesting Web site that deals with science teaching at all grade levels called The Science Spot at the URL: <http://www.sciencespot.net/>. This site offers much to science and STEM teachers. I was looking for ideas to use GPS in the classroom and for Boy Scouts. I found that the Science Spot had a number of activities using GPS on the following Web page: <http://www.sciencespot.net/Pages/classroom.html>. This site has a lot to offer in all areas of science primarily at the middle grades level, but with lessons at for other grade levels as well. Enjoy!

Posted by Joe Maronick at 3:22 PM [0 comments](#)

Information about Engineering

SATURDAY, AUGUST 15, 2009

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About Me

Joe Maronick
I teach physics and engineering at Shaker Heights High School in Ohio. Feel free to take a look at my physics and engineering website for ideas at www.maronick.com/physics

[View my complete profile](#)

The STEM Education Blog

<http://stemeduc.blogspot.com/>

A blog site designed to disseminate curriculum ideas, projects, problems, and thoughts about STEM education in grades K-12 that encourages STEM teachers to share lessons and comments about their experiences in the classroom.



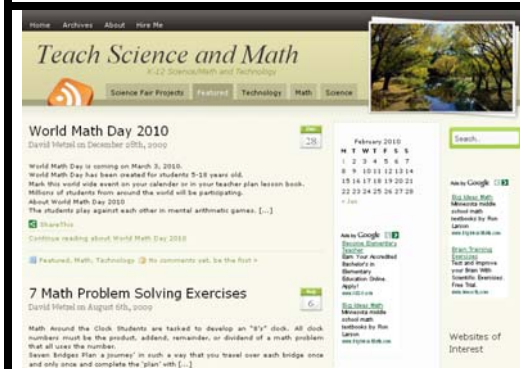
Pennsylvania STEM Initiative

<http://www.pasteminitiative.org/>

An informative site on the PA STEM Initiative, a statewide effort designed to create the foundation for the state's future competitiveness by establishing a network of partners and programs that support the development and deployment of science, technology, engineering and mathematics education and workforce development.

Key Features:

- Programs: Identifies external programs that may provide funding for regional activities, opportunities for schools and students or opportunities to share best practices
- Resources: Program Directory, Multimedia Tools, Document Center, etc.
- Current Developments: News room STEM in the press and an event calendar



Teach Science and Math

<http://www.teachscienceandmath.com/>

Teach Science and Math is the blog site of David R. Wetzel, Ph.D., that stressed the importance of teaching STEM subjects and provides resources for integrating STEM into your classroom.

Key Features:

- Science Fair Projects: Collection of blogs on science fair projects
- Blogs categorized by Technology, Math, Science, and Featured



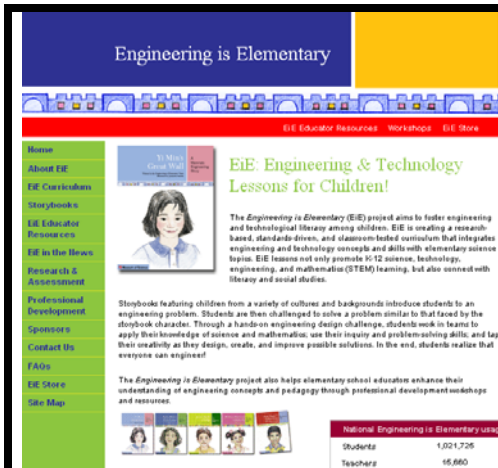
The STEM Education Institute

<http://umassk12.net/stem/>

Part of the University of Massachusetts, the STEM Education Institute site offers various resources on STEM initiatives.

Key Features:

- STEMTEC: STEM Teacher Education Collaborative, a collaborative site of resources for STEM teachers
- Photo Gallery
- PowerPoint Presentations: Links to presentations for students; teachers; and college faculty, administrators, and policy makers



Engineering is Elementary

<http://www.mos.org/eie/>

The *Engineering is Elementary* (EiE) project aims to foster engineering and technological literacy among children.

Key Features:

- Curriculum: Units on subjects related to engineering with corresponding lesson plans and storybooks
- Storybooks: Stories tied to lesson plans, featuring characters from around the world who face engineering problems
- Educator Resources: Lesson plans, multimedia resources, supporting documents
- Professional Development: Workshops, teacher educator institutes, etc.



STEM Connect

<http://www.discoveryeducation.com/stemconnect/>

STEM Connect is a captivating real-world STEM curriculum and career development resource from Discovery Education.

Key Features:

- Content from Discovery programs, such as Mythbusters and Build It Bigger



National Engineers Week Foundation

<http://www.eweek.org/Home.aspx>

The National Engineers Week Foundation, whose cornerstone program is National Engineers Week, is an organization that strives to promote and celebrate the engineering profession.

Key Features:

- Information on Engineering programs, news and events
- Resources like the toolkit, graphic files and templates
- The Coalition, educating and preparing future engineers in K-12
- Online store